

Center for Human Radiobiology
Peripheral Leucocyte Chromosome Analysis

700276

19

Case # 40-003

Sample date June 11, 1973

A sample of peripheral blood was drawn from the patient into a sterile heparinized tube by the A.N.L. Health Division on the above date. Leucocytes were cultured, using standard culture techniques including PHA stimulation. The cultures were terminated after 50-53 hours. Slides were examined following standard Giemsa staining. Slides were scored on 7/5/73 and a sample of 84 cells was obtained. The sample consisted of sufficiently well spread cells with 46 or more centromeres. A copy of the cytogenetic unit's score sheet is attached.

Results were as follows:

	<u>Number</u>
Cells with 46 centromeres	<u>78</u>
Cells with >46 centromeres	<u>6</u>
% hyperdiploid cells	<u>7.1</u>
Rings + dicentrics (and associated fragments)	<u>0</u>
Chromosome minutes	<u>0</u>
Acentric fragments	<u>2</u>
<u>Total chromosome aberrations per cell</u>	<u>-02</u>
Chromatid deletions	<u>0</u>
Gaps	<u>7</u>
<u>Total chromatid aberrations per cell</u>	<u>110</u>
<u>Total aberrations per cell</u>	<u>112</u>

Date of report 7/5/73

Submitted by L. F. Hagerman

0002136

CASE NO. 40-0175 RA NO. 377

25